

the rack and pinion are preferably milled with an involuted gear profile with the rack having a curved locus. The rack and pinion could also be fabricated by stamping the curved locus from a plate and utilizing a peg gear.

## **CLAIMS**

I claim:

1. A grounding apparatus for single-handed use comprising:

a housing, a grinding mechanism having a rotary grinding wheel, a driving mechanism having an operating lever directly attached to a rack with a curved locus, and a drive shaft coaxially affixed to the grinding wheel and the pinion gear.

## **ABSTRACT OF THE DISCLOSURE**

[0014] This invention is a grounding apparatus for single-handed with a housing, a grinding mechanism having a rotary grinding wheel, a driving mechanism having an operating lever directly attached to a rack with a curved locus, a drive shaft coaxially affixed to the grinding wheel and the pinion gear.